



# *COMMONWEALTH of VIRGINIA*

## *DEPARTMENT OF ENVIRONMENTAL QUALITY*

### PIEDMONT REGIONAL OFFICE

4949-A Cox Road, Glen Allen, Virginia 23060

(804) 527-5020 Fax (804) 527-5106

[www.deq.virginia.gov](http://www.deq.virginia.gov)

Preston Bryant  
Secretary of Natural Resources

David K. Paylor  
Director

January 28, 2009

Mr. Stephen O. Spence  
Environmental Services Manager  
Virginia Department of Corrections  
2892 Schutt Road  
Burkeville, Va. 23922

**CERTIFIED MAIL  
RETURN RECEIPT REQUESTED**

RE: VPDES Permit Reissuance VA0023426  
CVCCW Wastewater Treatment Plant – Chesterfield County

Dear Mr. Spence:

Your VPDES permit is enclosed. A Discharge Monitoring Report (DMR) form is included with the permit. Please make additional copies of the DMR for future use. The first DMR required by this permit is due on March 10, 2009 for the period of February, 2009. If you still have DMR data to report as required by the previous permit please submit it as an attachment to the first DMR required by this permit. Monitoring results on the DMRs should be reported to the same number of significant digits as are included in the permit limit for the parameter. Please send DMRs to:

Virginia DEQ, Piedmont Regional Office  
4949-A Cox Road  
Glen Allen, Virginia 23060

Note that DEQ has launched an e-DMR program that allows you to submit the effluent data electronically. If you are interested in participating in this program please visit the following website for details:

<http://www.deq.virginia.gov/water/edmrfaq.html>

As provided by Rule 2A:2 of the Supreme Court of Virginia, you have thirty days from the date of service (the date you actually received this decision or the date it was mailed to you, whichever occurred first) within which to appeal this decision by filing a notice of appeal in accordance with

Permit No. VA0023426  
CVCCW WWTP  
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the Rules of the Supreme Court of Virginia with the Director, Department of Environmental Quality. In the event that this decision is served on you by mail, three days are added to that period.

Alternatively, any owner under § 62.1-44.16, 62.1-44.17 and 62.1-44.19 of the State Water Control Law aggrieved by any action of the State Water Control Board taken without a formal hearing, or by inaction of the Board, may demand in writing a formal hearing of such owner's grievance, provided a petition requesting such hearing is filed with the Board. Said petition must meet the requirements set forth in 9 VAC 25-230-130.B. In cases involving actions of the Board, such petition must be filed within thirty days after notice of such action is mailed to such owner by certified mail.

If you have any questions about the permit, please contact Denise Mosca at (804) 527-5027 or [dmmosca@deq.virginia.gov](mailto:dmmosca@deq.virginia.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'C. Linderman', written over a horizontal line.

Curtis J. Linderman, P.E.  
Water Permits Manager

Enclosure:                      Memorandum  
   Permit No. VA0023426

cc:        OWPS  
            EPA, Region III-3WP12  
            VDH-ECEFO

**MEMORANDUM**

**DEPARTMENT OF ENVIRONMENTAL QUALITY  
PIEDMONT REGIONAL OFFICE**

**4949-A Cox Road    Glen Allen, VA 23060    804-527-5020**

**SUBJECT:**    Reissuance of VPDES Permit No. VA0023426, Central Virginia Correctional Center for Women, Chesterfield County

**TO:**            Curtis J. Linderman, Water Permits Manager

**FROM:**        Denise M. Mosca, Environmental Specialist II

**DATE:**        January 14, 2009

**COPIES:**      PRO, OWPS, EPA-Region III

Legal Name of Owner:        Virginia Department of Corrections

Application Submitted By:    Tim Newton, ESU Director

Application Date:            completed February 25, 2008. The most recent permit fee was deposited on October 3, 2007. They are not shown on central office's lists as not having paid previous permit fees.

Type of Discharge:           Existing Municipal Sewage Discharge`.

Wastewater Treatment Facilities:    The treatment facilities consist of an equalization basin, two SBRs, an ultraviolet disinfection system, post aeration, a cascade aerator and two sludge digesters.

Receiving Stream:            Stream:                    Unnamed Tributary to Swift Creek  
                                 Basin:                    Appomattox (James)  
                                 Subbasin:                N/A  
                                 Section:                 5d  
                                 Class:                    III  
                                 River Mile:              2-XBD001.00  
                                 Special Standards:    none

Public Notice:                The application and draft permit received public notice in accordance with the Permit Regulation and no comments were received.

Planning:                        The discharge is in conformance with the existing planning documents for the area.

EPA Comments:                EPA commented on May 21, 2008 that they had no objection to the reissuance of the permit.

VDH Comments:

On November 21, 2007, the VDH-ECEFO responded that no public water supply intakes were within 15 miles downstream of the discharge, so that office had no objections to the application. They added that, "Swift Creek is a tributary of the Appomattox River. The STW outfall is approximately 29.6 miles upstream of the raw water intake for the Virginia-American Hopewell WTP, which is located on the Appomattox River, near its confluence with the James River." On December 14, 2007, an email from Randall Morrisette stated that the VDH – ECFO had no objection to the deletion of the fecal coliform requirement since an E. coli limit would be retained in the new permit.

Previous Board Action:

An Executive Compliance Agreement (ECA) was issued to the Department of Corrections for noncompliance with metals at CVCCW on April 27, 2007.

Staff Comments:

The discharge is not controversial and is currently in compliance with the permit and the ECA.

The staff believes that the attached effluent limits will maintain the Water Quality Standards adopted by the Board.

The permit was not signed at the completion of the public notice period because the Appomattox River TMDL had not yet been modified to include this discharge. The permit expired before it was reissued because of this issue and a delay experienced while a protocol for the evaluation of sulfide limitations was established between central office and the water permit managers. The TMDL was modified to adjust the WLA for the current flow of 0.065 MGD, and the TMDL modification was approved by the EPA on January 5, 2009. The facility received a wasteload allocation of 1.13E11 E. coli cfu/year.

Basis for Effluent Limits:

Water Quality Standards, the Appomattox River TMDL, Federal Effluent Guidelines and Professional Judgment

Licensed

Operator Requirements:

A Class III operator is required.

Reliability Class:

Class I Reliability is required.

Staff Recommendations:

The staff recommends that the following be approved:

1. The attached effluent limits and monitoring requirements; and
2. The reissuance of VPDES Permit No. VA0023426.

APPROVED: \_\_\_\_\_

Water Permits Manager

DATE: \_\_\_\_\_

1/23/09